Health Canada Santé Canada

Your health and safety... our priority. *Votre santé et votre sécurité... notre priorité.*

Re-evaluation Decision RVD2018-26

Oil of Geranium, Camphor Oil, Eucalyptus Oil, Lemon Oil, and Pine Needle Oil and Their Associated End-use Products

Final Decision

(publié aussi en français)

5 September 2018

This document is published by the Health Canada Pest Management Regulatory Agency. For further information, please contact:

Publications
Pest Management Regulatory Agency
Health Canada
2720 Riverside Drive
A.L. 6607 D
Ottawa, Ontario K1A 0K9

Internet: canada.ca/pesticides
hc.pmra.publications-arla.sc@canada.ca
Facsimile: 613-736-3758
Information Service:
1-800-267-6315 or 613-736-3799
hc.pmra.info-arla.sc@canada.ca

Canada

ISSN: 1925-1017 (print)
1925-1025 (online)

Catalogue number: H113-28/2018-26E (print version)
H113-28/2018-26E-PDF (PDF version)

© Her Majesty the Queen in Right of Canada, represented by the Minister of Health Canada, 2018

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of the Minister of Public Works and Government Services Canada, Ottawa, Ontario K1A 0S5.

Re-evaluation Decision

Under the authority of the *Pest Control Products Act*, all registered pesticides must be regularly re-evaluated by Health Canada's Pest Management Regulatory Agency (PMRA) to ensure that they continue to meet current health and environmental safety standards and continue to have value. The re-evaluation considers data and information from pesticide manufacturers, published scientific reports and other regulatory agencies. The PMRA applies internationally accepted risk assessment methods as well as current risk management approaches and policies.

Oil of geranium, camphor oil, eucalyptus oil, lemon oil, and pine needle oil (as mixtures) are used as an insect repellent for application to human skin (personal insect repellent) or the fur of dogs and horses (animal insect repellent). In addition, camphor oil and eucalyptus oil, when co-formulated with methyl salicylate and cornmint oil, are registered as an animal repellent to repel Norway rats (common brown rats) and raccoons. All insect repellent end-use products are ready-to-use domestic products formulated as a liquid. The animal repellent products are manufacturing concentrates impregnated into plastics for use in the manufacture of trash bags. Currently registered products containing oil of geranium, camphor oil, eucalyptus oil, lemon oil, and pine needle oil (as mixtures) are listed in Appendix I.

This document presents the final regulatory decision[1] for the uses of oil of geranium, camphor oil, eucalyptus oil, lemon oil, and pine needle oil (as mixtures), including label updates to meet current standards. All pest control products containing oil of geranium, camphor oil, eucalyptus oil, lemon oil, and pine needle oil (as mixtures) that are registered in Canada are subject to this re-evaluation decision. This re-evaluation decision has undergone a 90-day consultation period as the Proposed Re-evaluation Decision PRVD2018-03, *Oil of Geranium, Camphor Oil, Eucalyptus Oil, Lemon Oil, and Pine Needle Oil and Their Associated End-use products.*[2]

No comments were received during the consultation period. Therefore, this decision is consistent with the proposed re-evaluation decision stated in PRVD2018-03, which lists all data used as the basis for the re-evaluation decision.

Regulatory Decision for Oil of Geranium, Camphor Oil, Eucalyptus Oil, Lemon Oil, and Pine Needle Oil

The PMRA has completed the re-evaluation for oil of geranium, camphor oil, eucalyptus oil, lemon oil, and pine needle oil (as mixtures). Under the authority of the *Pest Control Products Act*, the PMRA is granting continued registration of products containing oil of geranium, camphor oil, eucalyptus oil, lemon oil, and pine needle oil (as mixtures) for sale and use in Canada.

---

1 "Decision statement" as required by subsection 28(5) of the *Pest Control Products Act*.

2 "Consultation statement" as required by subsection 28(2) of the *Pest Control Products Act*.

Following a scientific review of available information, the PMRA has determined that the health and environmental risks and the value of oil of geranium, camphor oil, eucalyptus oil, lemon oil, and pine needle oil (as mixtures) continue to be acceptable provided that the required mitigation measures are implemented. Label amendments are summarized below and listed in Appendix II. No additional data are requested at this time.

Risk Mitigation Measures

Registered pesticide product labels include specific direction for use. Directions include risk mitigation measures to protect human health and the environment and must be followed by law. The following label amendments are included as part of the re-evaluation:

- Storage label statements
- Disposal label statements

Next Steps

To comply with this decision, the required mitigation measures must be implemented on all products labels sold by registrants no later than 24 months after the publication date of this decision document. Appendix I lists the products containing oil of geranium, camphor oil, eucalyptus oil, lemon oil, and pine needle oil (as mixtures) that are registered under the authority of the *Pest Control Products Act*.

Other Information

Any person may file a notice of objection[3] regarding this decision on oil of geranium, camphor oil, eucalyptus oil, lemon oil, and pine needle oil (as mixtures) within 60 days from the date of publication of this Re-evaluation Decision. For more information regarding the basis for objecting (which must be based on scientific grounds), please refer to the Pesticides section of Canada.ca (Request a Reconsideration of Decision) or contact the PMRA's Pest Management Information Service.

[3] As per subsection 35(1) of the *Pest Control Products Act*.

Appendix I Registered Oil of Geranium, Camphor Oil, Eucalyptus Oil, Lemon Oil, and Pine Needle Oil Products in Canada as of 14 May 2018

Registration Number	Marketing Class	Registrant	Product Name	Formulation Type	Guarantee
31191	Technical	Héloïse Laboratoire Inc.	Citrobug Formula HE-5000 Essential Oils	Liquid	Lemon Oil 23.11% Eucalyptus Oil 23.13% Pine Needle Oil 23.11% Geranium Oil 23.11% Camphor Oil 7.54%
25797	Domestic	Héloïse Laboratoire Inc.	Citrobug Mosquito repellent oil	Solution	Lemon Oil 0.64% Eucalyptus Oil 0.64% Pine Needle Oil 0.64% Geranium Oil 0.64% Camphor Oil 0.21%
32733	Domestic	Héloïse Laboratoire Inc.	Citrobug Mosquito repellent oil for kids	Solution	Lemon Oil 0.64% Eucalyptus Oil 0.64% Pine Needle Oil 0.64% Geranium Oil 0.64%
32954	Domestic	Héloïse Laboratoire Inc.	Citrobug Insect Repellent for Dogs and Horses	Solution	Lemon Oil 0.64% Eucalyptus Oil 0.64% Pine Needle Oil 0.64% Geranium Oil 0.64% Camphor Oil 0.21%
30503	Technical	Mint-X Corporation	Mint-X Super Perfume Blend	Solution	Methyl Salicylate 36% Cornmint Oil 36% Camphor Oil 23% Eucalyptus Oil 5%
30504	Manufacturing concentrate	Mint-X Corporation	Mint-X Treated Plastic	Impregnated Fabric	Methyl Salicylate 0.288% Cornmint Oil 0.288% Camphor Oil 0.184% Eucalyptus Oil 0.04%
31383	Manufacturing concentrate	Mint-X Corporation	Mint-X Treated Compostable Plastic	Impregnated Fabric	Methyl Salicylate 0.288% Cornmint Oil 0.288% Camphor Oil 0.184% Eucalyptus Oil 0.04%

Appendix II Label Amendments for Products Containing Oil of Geranium, Camphor Oil, Eucalyptus Oil, Lemon Oil, and Pine Needle Oil

The label amendments presented below do not include all label requirements for individual end-use products, such as first aid statements, disposal statements, precautionary statements and supplementary protective equipment. Information on labels of currently registered products should not be removed unless it contradicts the label statements provided below.

The following label statements are required:

I) Add the following statement to all domestic end use products under the **STORAGE** heading:

"To prevent contamination, store this product away from food or feed."

II) Add the following statement to all domestic end use products under the **DISPOSAL** heading:

"DO NOT reuse the empty containers. Dispose in household garbage. Unused or partially used products should be disposed at provincially or municipally designated hazardous waste disposal sites."